

02 APR. 1997

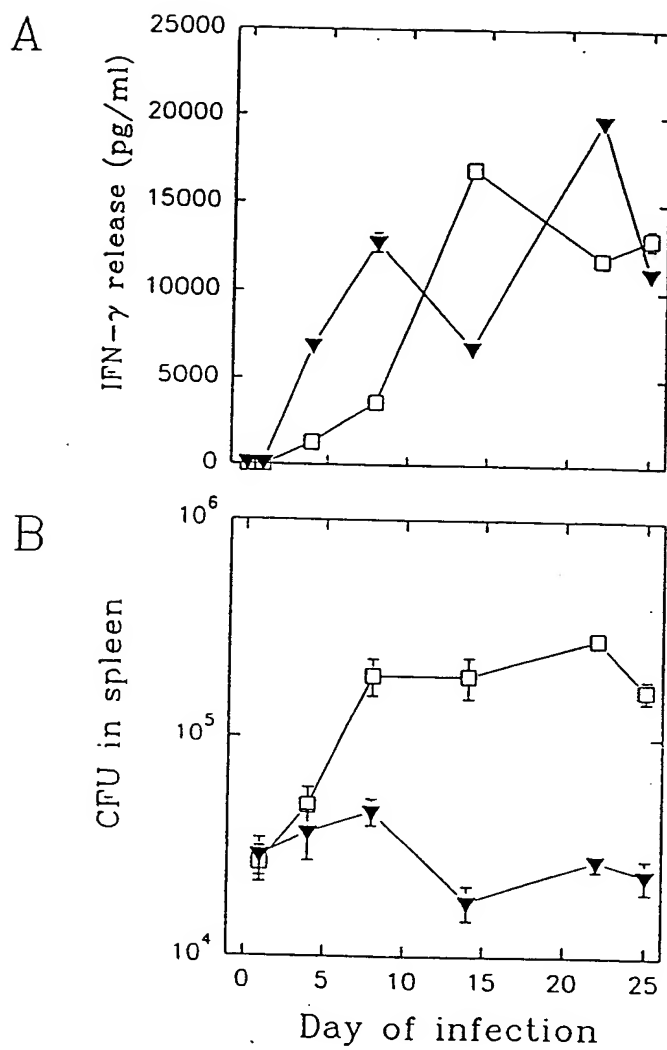


Fig. 1

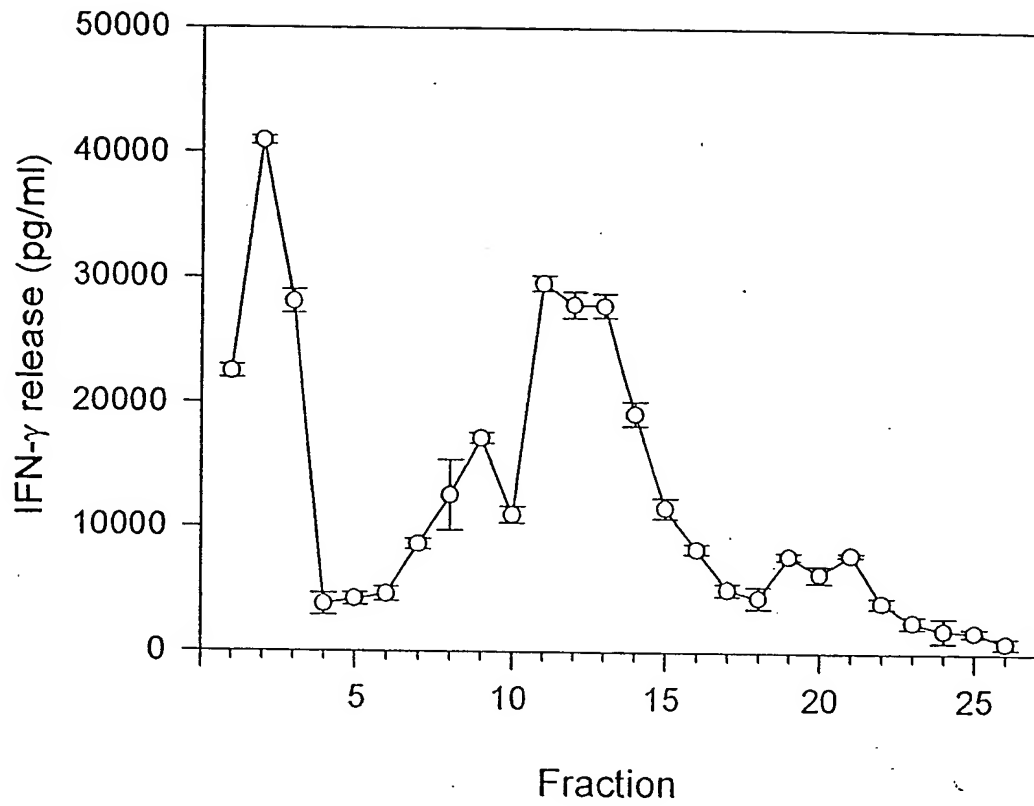


Fig. 2

1 GGCCGCCCGGT ACCTATGTGG CCGCCGATGC TCGCGNCGCG TCGACCTATA CCGGTTCTG 60
-35 region -10 region
61 ATCGAACCCCT GCTGACCGAG AGGACTTGTG ATG TCG CAA ATC ATG TAC AAC TAC CCC GCG 120
Shine Delgarno M S Q I M Y N Y P A
121 ATG TTG GGT CAC GCC GGG GAT ATG GCC GGA TAT GCC GGC ACG CTG CAG AGC TTG GGT GCC 180
M L G H A G D M A G Y A G T L Q S L G A
181 GAG ATC GCC GTG GAG CAG GCC GCG TTG CAG AGT GCG TGG CAG GGC GAT ACC GGG ATC ACG 240
E I A V E Q A A L Q S A W Q G D T G I T
241 TAT CAG GCG TGG CAG GCA CAG TGG AAC CAG GCC ATG GAA GAT TTG GTG CCG GCC TAT CAT 300
Y Q A W Q A Q W N Q A M E D L V R Y H A
301 GCG ATG TCC AGC ACC CAT GAA GCC AAC ACC ATG GCG ATG ATG GCC CGC GAC ACC GCC GAA 360
Y M S S T H E A N T M A M A R D T A E
361 GCC GCC AAA TGG GGC GGC TAG 381
A A K W G G *

Fig. 3

1 GGGTAGCCCG ACCACGGCTG GGCAGAGATG TGCAGGCCGC CATCAAGCGG GTCAAGGCCG 60
-35 region

61 GCGACGGCGT CATAAACCG GACGGCACCT TGTGGCGG CCGCGGGTG CTGACGCCCG 120
-10 region

121 ACGAGTACAA CTCGGGCTG GTG GCC GGC GAC CCG GAG TCC ACC GCG GCG 170
Shine Delgarno V A A D P E S T A A

171 TTG CCC GAC GGC GCC GGG CTG GTC GTT CTG GAT GGC ACC GTC ACT GCC GAA CTC GAA GCC 230
L P D G A G L V V L D G T V T A E L E A

231 GAG GGC TGG GCC AAA GAT CGC ATC CGC GAA CTG CAA GAG CTG CGT AAG TCG ACC GGG CTG 290
E G W A K D R I R E L Q E L R K S T G L

291 GAC GTT TCC GAC CGC ATC CGG GTG GTG ATG TCG GTG CCT GCG GAA CGC GAA GAC TGG GCG 350
D V S D R I R V V M S V P A E R E D W A

351 CGC ACC CAT CGC GAC CTC ATT GCC GGA GAA ATC TTG GCT ACC GAC TTC GAA TTC GCC GAC 410
R T H R D L I A G E I L A T D F E F A D

411 CTC GCC GAT GGT GTG GCC ATC GGC GAC GGC GTG CGG GTA AGC ATC GAA AAG ACC TGA 467
L A D G V A I G D G V R V S I E K T *

Fig. 4

1	GAATTGCGCCGGGTGCACACAGCCTTACACGACGGAGGTGGACACATGAAG	50
		M K
51	GGTCGGTCGGCGCTGCTGCGGGCGCTCTGGATTGCCGCACTGTCATTCCGG	100
	G R S A L L R A L W I A A L S F G	
101	GTTGGGCGGTGTCGCGGTAGCCGCGGAACCCACCGCCAAGGCCGCCCAT	150
	L G G V A V A A E P T A K A A P	
151	ACGAGAACCTGATGGTGCCGTCGCCCTCGATGGGCCGGGACATCCCGGTG	200
	Y E N L M V P S P S M G R D I P V	
201	GCCTTCCTAGCCGGTGGGCGGCACGCGGTGTATCTGCTGGACGCCTTCAA	250
	A F L A G G P H A V Y L L D A F N	
251	CGCCGGCCCGGATGTCTAGTAAGTGGGTACCGCGGGTAACGCGATGAACA	300
	A G P D V S N W V T A G N A M N	
301	CGTTGGCGGGCAAGGGGATTTCGGTGGTGGCACCGGCCGGTGGTGCGTAC	350
	T L A G K G I S V V A P A G G A Y	
351	AGCATGTACACCAACTGGGAGCAGGATGGCAGCAAGCAGTGGGACACCTT	400
	S M Y T N W E Q D G S K Q W D T F	
401	CTTGTCCGCTGAGCTGCCCCGACTGGCTGGCCGCTAACCGGGGCTTGGCCC	450
	L S A E L P D W L A A N R G L A	
451	CCGGTGGCCATGCGGCCGTTGGCGCCGCTCAGGGCGGTTACGGGGCGGATG	500
	P G G H A A V G A A Q G G Y G A M	
501	GCGCTGGCGGCCTTCCACCCCGACCGCTTCGGCTTCGCTGGCTCGATGTC	550
	A L A A F H P D R F G F A G S M S	
551	GGGCTTTTTGTACCCGTCGAACACCACCACCAACGGTGCGATCGCGGCGG	600
	G F L Y P S N T T T N G A I A A	
601	G CATGCAGCAATTCGGCGGTGTGGACACCAACGGAATGTGGGGAGCACCA	650
	G M Q Q F G G V D T N G M W G A P	
651	CAGCTGGGTCGGTGGAAAGTGGCACGACCCGTGGGTGCATGCCAGCCTGCT	700
	Q L G R W K W H D P W V H A S L L	
701	GGCGCAAAACAACACCCGGGTGTGGGTGTGGAGCCCGACCAACCCGGGAG	750
	A Q N N T R V W V W S P T N P G	
751	CCAGCGATCCCGCCGCCATGATCGGCCAAACCGCCGAGGCGATGGGTAAC	800
	A S D P A A M I G Q T A E A M G N	
801	AGCCGCATGTTCTACAACCAGTATCGCAGCGTCGGCGGGCACAACGGACA	850
	S R M F Y N Q Y R S V G G H N G H	
851	CTTCGACTTCCCAGCCAGCGGTGACAACGGCTGGGGCTCGTGGGCGCCCC	900
	F D F P A S G D N G W G S W A P	
901	AGCTGGGCGCTATGTCGGGCGATATCGTCGGTGGCGATCCGCTAAGCGAAT	950
	Q L G A M S G D I V G A I R .	
951	TC	952

Fig. 5

2-DE reference map of ST-CF

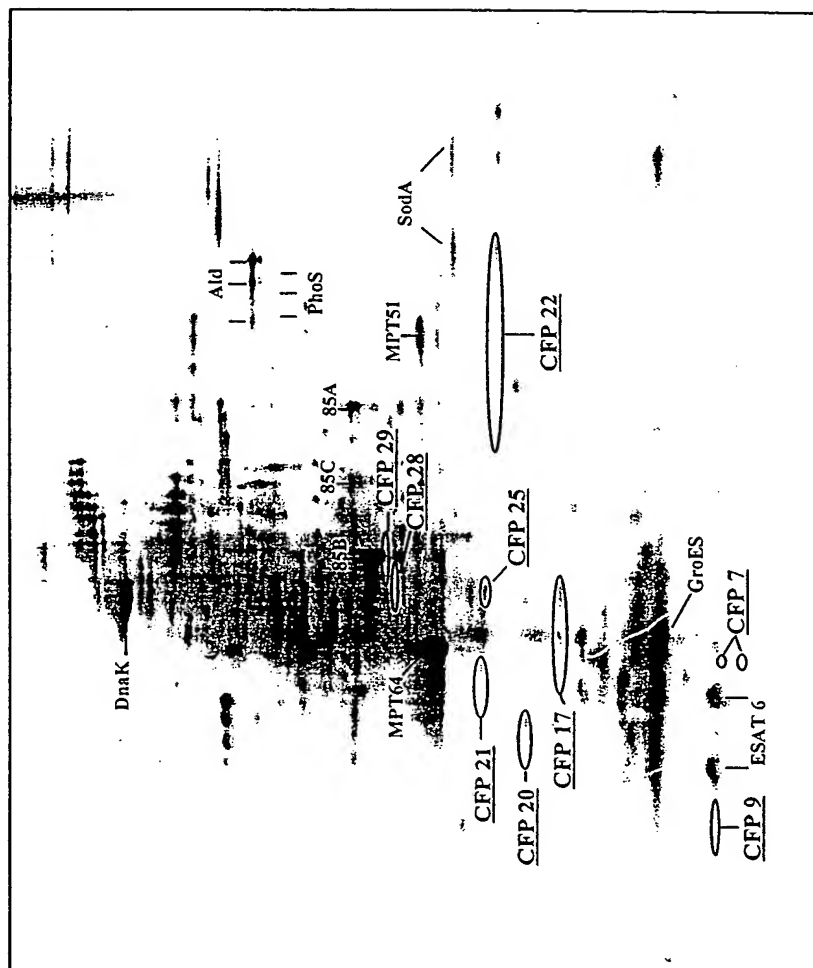


Fig. 6